

Antenna Test Report

SHENZHEN KURUIJIE

Customer: 联合天通

Project: U2403A

RF Engineer: 宋祖义

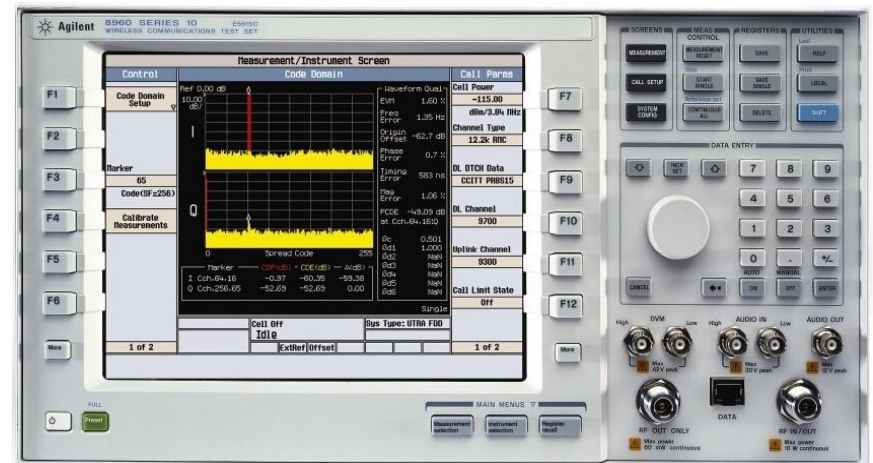
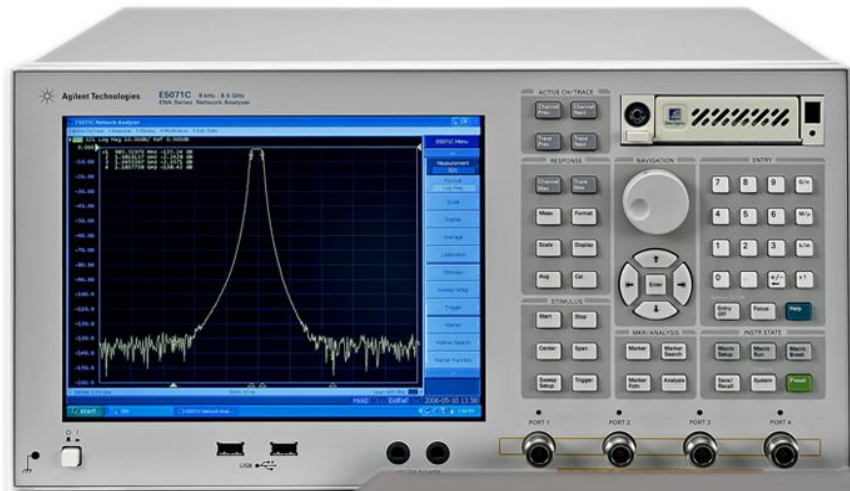
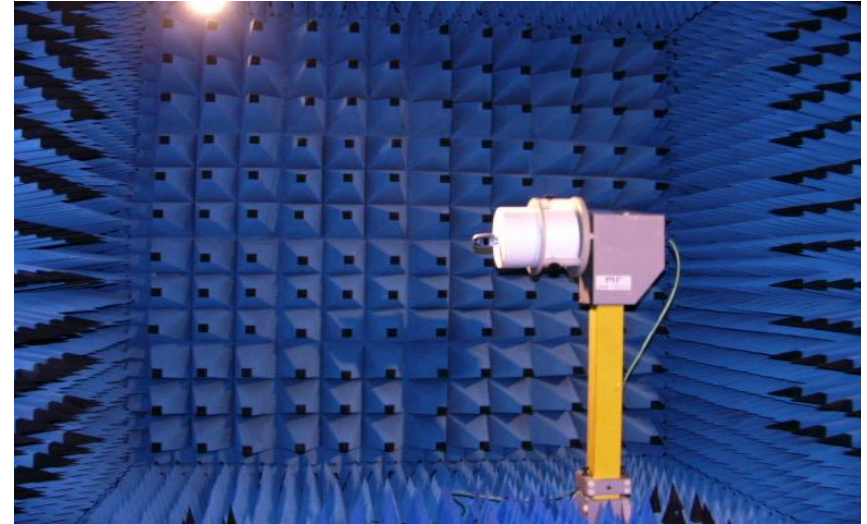
Testing Date: 2025.01.10

Index:

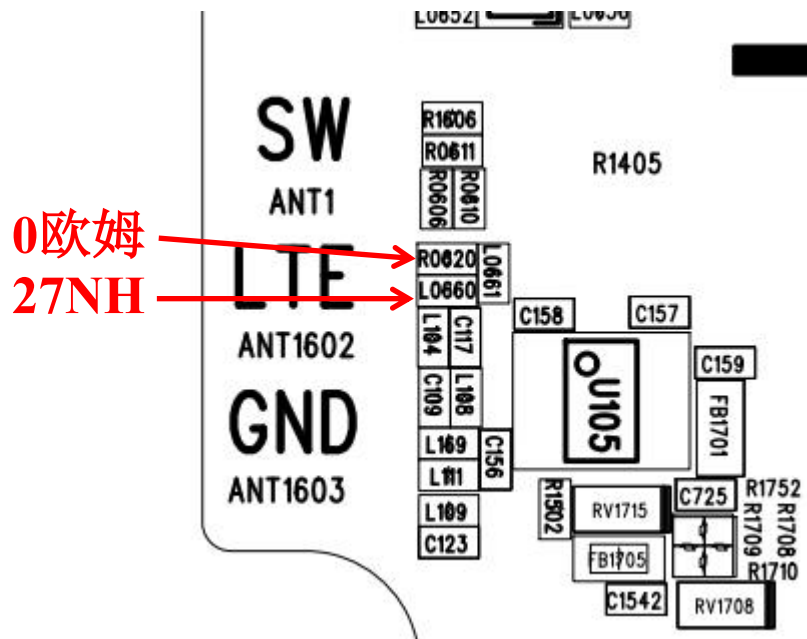
- 1. Testing Item & Equipments**
- 2. Matching Circuits**
- 3. Environmental Disposal**
- 4. Test Data**

1. The Equipment of Active Test

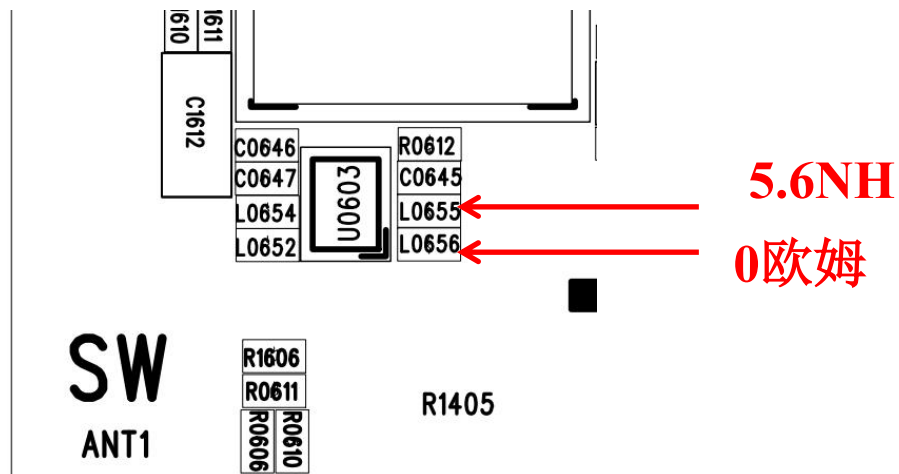
- 1: Anechoic Chamber 7x4x3 m (3D)
- 2: Rohde & Schwarz CMW500
- 3: AGILENT 8960 5515C
- 4: Network Analyzer-AGILENT ENA5071B



2. Matching Circuits-主天线



主路匹配: L0660:27NH
R0620:0欧姆
L0661:NC



开关匹配逻辑	开关路径	匹配值	2G频率	3G频率	4G频率
	RF1 (L0656)	0欧姆	850/900/1900/1800	W2/4/5/8	B2/3/4/5/7/8/66
	RF2(L0655)	5.6NH			B12/17/28AB
	RF3(L0652)	NC			
	RF4(L0654)	NC			

2. Matching Circuits-**FM天线**

FM天线
原匹配电路没有修改

3. Environmental Disposal

导电布需延伸到壳上面铺满



屏后贴一块导电布接到主板露铜区域，导电布需把屏排线盖住。



喇叭上接导电泡棉

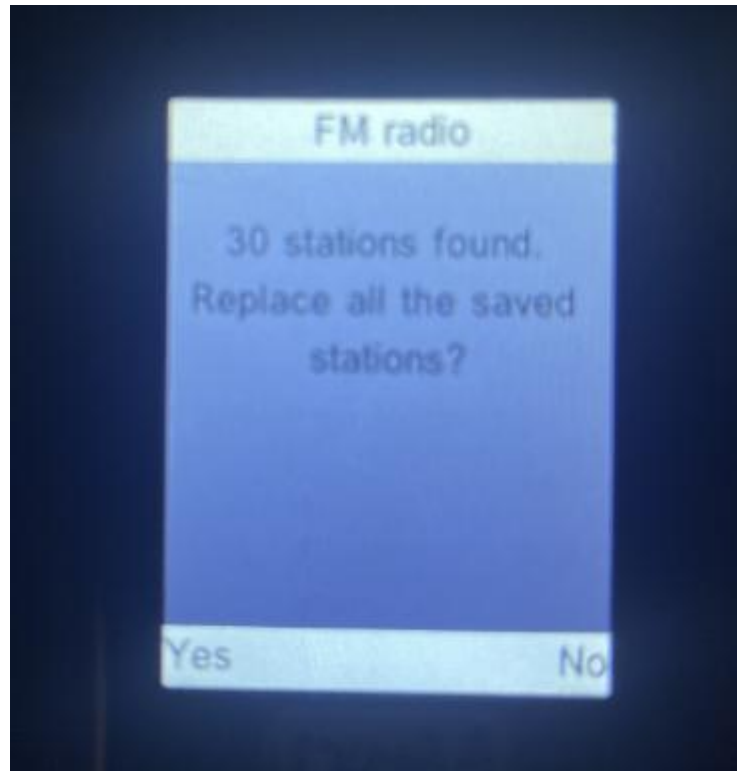
4. Test Data

	TRP	TIS		TRP	TIS
GSM850	25. 22		LTE B2	17. 75	
	27. 05	-104. 52		16. 23	-90. 07
GSM900	28. 03		LTE B4	16. 02	
	28. 05	-104. 25		17. 65	-90. 27
DCS1800	23. 55		LTE B5	17. 55	
	25. 03	-103. 14		18. 03	-90. 25
PCS1900	24. 75		LTE B7	18. 73	
	24. 45	-104. 72		17. 83	-90. 27
WCDMA B2	18. 06		LTE B8	17. 83	
	17. 03	-103. 21		16. 56	-90. 05
WCDMA B4	16. 76		LTE B28A	17. 05	
	18. 07	-103. 03		17. 23	-90. 25
WCDMA B5	17. 75		LTE B28B	17. 51	
	18. 83	-104. 59		18. 03	-89. 03

频段	增益 (dbm)	频段	增益 (dbm)	频段	增益 (dbm)
GSM850	0.4	LTE B2	0.8	BT	0.1
GSM900	0.5	LTE B4	0.7		
DCS1800	0.7	LTE B5	0.4		
PCS1900	0.8	LTE B7	0.5		
WCDMA B2	0.8	LTE B8	0.5		
WCDMA B4	0.7	LTE B28A	-1.0		
WCDMA B5	0.4	LTE B28B	-1.1		

Shenzhen Kuruijie Communication Technologies Co.,Ltd

FM



公司窗台外，天线朝上测试
FM可搜30个台